

What is claimed is:

1. A digital camera system comprising a digital camera and a cradle unit, said digital camera being capable of selecting one of modes including a data transfer mode
5 for transferring image data to an external apparatus and an external display mode for displaying the image data on external display means; said cradle unit comprising a receiving portion on which said digital camera is received, a connection terminal to be connected to said
10 digital camera upon receiving said digital camera, a power-supply portion for supplying an electric power to said digital camera, a data output port for transferring said image data to said external apparatus, and an external-display output port for outputting said image
15 data to said external display means, said digital camera system comprising:

an operation-code generator provided in said cradle unit, said operation-code generator generating an operation code for operating said external display means;
20 and

a transmitter provided in said cradle unit, said transmitter sending said operation code to said external display means in a wireless manner, and said operation code being sent so as to put said external display means
25 in an external input condition, under which the image is able to be displayed, when said digital camera placed in said cradle unit selects said external display mode.

2. A digital camera system according to claim 1, wherein said operation-code generator generates said operation code as an analog signal.

3. A digital camera system according to claim 2,
5 wherein said transmitter comprises:

a transparent cover fitted to said cradle unit; and
a light emitting element disposed inside said transparent cover, said light emitting element being connected to said operation-code generator to emit an
10 infrared signal in accordance with the analog signal of said operation code.

4. A digital camera system according to claim 3, wherein said light emitting element is an infrared light emitting diode.

15 5. A digital camera system according to claim 4, wherein said external display means is one of a TV monitor, a projector and a liquid crystal display.

6. A digital camera system comprising a digital camera and a cradle unit, said digital camera being capable
20 of selecting one of modes including a data transfer mode for transferring image data to an external apparatus and an external display mode for displaying the image data on external display means; said cradle unit comprising a receiving portion on which said digital camera is
25 received, a connection terminal to be connected to a connector of said digital camera upon receiving said digital camera, a power-supply portion for supplying an

electric power to said digital camera, a data output port for transferring said image data to said external apparatus, and an external-display output port for outputting said image data to said external display means,

5 said digital camera system comprising:

an operation-code generator provided in said digital camera, said operation-code generator generating an operation code as digital data for operating said external display means;

10 a modulation circuit provided in said cradle unit, said modulation circuit modulating said digital data to an analog modulation signal; and

a transmitter provided in said cradle unit, said transmitter sending said operation code to said external display means in a wireless manner on the basis of said analog modulation signal sent from said modulation circuit, and said operation code being sent in the wireless manner so as to put said external display means in an external input condition, under which the image is able to be displayed, when said digital camera placed in said cradle unit is set to the external display mode.

7. A digital camera system according to claim 6, wherein said digital data is sent from said operation-code generator to said modulation circuit via said connector and said connection terminal.

8. A digital camera system according to claim 7, wherein said transmitter comprises:

a transparent cover fitted to said cradle unit; and
a light emitting element disposed inside said
transparent cover, said light emitting element being
connected to said modulation circuit to emit an infrared
5 signal in accordance with the analog modulation signal
of said operation code.

9. A digital camera system according to claim 8,
wherein said light emitting element is an infrared light
emitting diode.

10 10. A digital camera system according to claim 9,
wherein said external display means is one of a TV monitor,
a projector and a liquid crystal display.

11. A digital camera system comprising a digital
camera and a cradle unit, said digital camera being capable
15 of selecting one of modes including a data transfer mode
for transferring image data to an external apparatus and
an external display mode for displaying the image data
on external display means; said cradle unit comprising
a receiving portion on which said digital camera is
20 received, a connection terminal to be connected to a
connector of said digital camera upon receiving said
digital camera, a power-supply portion for supplying an
electric power to said digital camera, a data output port
for transferring said image data to said external
25 apparatus, and an external-display output port for
outputting said image data to said external display means,
said digital camera system comprising:

a remote controller for sending a first operation code, in a wireless manner, for operating said digital camera;

an operation-code generator provided in said digital
5 camera, said operation-code generator producing a second operation code as digital data for operating said external display means;

a decoder provided in said digital camera, said decoder converting said first operation code, which is
10 inputted as digital data, into a control signal for controlling each section of said digital camera;

a receiver provided in said cradle unit, said receiver receiving said first operation code, which is sent from said remote controller, to output an analog
15 modulation signal;

a demodulation/modulation circuit provided in said cradle unit, said demodulation/modulation circuit modulating said second operation code, which is sent from said operation-code generator, from the digital data to
20 an analog modulation signal, and further, said demodulation/modulation circuit modulating said first operation code, which is received by said receiver, from the analog modulation signal to the digital data, and

a transmitter provided in said cradle unit, said
25 transmitter sending said second operation code to said external display means in a wireless manner on the basis of the analog modulation signal of the second operation

code sent from said demodulation/modulation circuit, and
said second operation code being sent so as to put said
external display means in an external input condition,
under which the image is able to be displayed, when said
5 digital camera placed in said cradle unit is set to the
external display mode, alternatively when said first
operation code is sent from said remote controller to
said cradle unit in the wireless manner.

12. A digital camera system according to claim 11,
10 wherein said digital data of the second operation code
is sent from said operation-code generator to said
demodulation/modulation circuit via said connector and
said connection terminal.

13. A digital camera system according to claim 12,
15 wherein said transmitter comprises:

a first transparent cover fitted to said cradle unit;
and

a light emitting element disposed inside said first
transparent cover, said light emitting element being
20 connected to the demodulation/modulation circuit to emit
an infrared signal in accordance with the analog
modulation signal of the second operation code.

14. A digital camera system according to claim 13,
wherein said light emitting element is an infrared light
25 emitting diode.

15. A digital camera system according to claim 14,
wherein said receiver comprises:

a second transparent cover fitted to said cradle unit; and

a light receiving element disposed inside said second transparent cover, said light receiving element being
5 connected to said demodulation/modulation circuit.

16. A digital camera system according to claim 15, wherein said light receiving element is a photo sensor.

17. A digital camera system according to claim 16, wherein said external display means is one of a TV monitor,
10 a projector and a liquid crystal display.

18. A cradle unit for a digital camera, said digital camera being capable of selecting one of modes including a data transfer mode for transferring image data to an external apparatus and an external display mode for
15 displaying the image data on external display means, said cradle unit comprising:

a receiving portion for receiving said digital camera;

a connection terminal to be connected to said digital
20 camera;

a power-supply portion for supplying an electric power to said digital camera;

a data output port for transferring said image data to said external apparatus;

25 an external-display output port for outputting said image data to said external display means;

an operation-code generator for generating an

operation code for operating said external display means;
and

a transmitter for sending said operation code to said
external display means in a wireless manner, said
5 operation code being sent so as to put said external display
means in an external input condition, under which the
image is able to be displayed, when said digital camera
placed in said receiving portion is set to the external
display mode.

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